

Abstract of the Disclosure

It is provided a monolithic reactive porous support with efficiency and performance better than a particulate support used in a batch method requiring a liquid-solid separation process or a filling column method requiring a high pressure for liquid supply. In a solution containing a starting material having a reactive site, a precursor of a monolithic porous gel formed of silica, a metal oxide, or an organic-inorganic hybrid composition is reacted. Accordingly, sol-gel transformation and phase separation are induced at the same time to form a gel of the composition having continuous pores with a diameter of 100 nm or greater.